

2/13/2018

Print



Dart Hawkesbury  
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada  
Tel (613) 632-5200

## Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total
PO038862	ACI001-VC	5	1	Net 30	MT-A513-T-0.750W0.058	A513 Seamless Alloy Steel Round Tubing 0.75" dia. x 0.058" Wall				20	2/13/2018	24		S041762	Stock	2/13/2018	\$ 9.75 / ft	0		\$234.01
Total:										20		24								\$185.82

Plex 2/13/2018 10:05 AM Dart.Dubois.Pascal



## DELIVERY - CLIENT

**ACIER OUELLETTE INC.**  
935, Boul. du Hâvre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

1

PI \$PI

21

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DAS 1189

Customer's Signature

Total (\$CAD)



ACIER OUELLETTE INC.

935, Boul. du Hâvre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4742

Order - Sales

Copy CO00071411

Customer N° CL10001056

Date 2018/01/26

Delivery date 2018/02/09

Your order N° 038862

Processed by Josianne Bourdon

Salesman

Carrier OUELLETTE VALLEYFIELD

Credit Terme Net 30 Days

Page 1

Shipped to

DART AEROSPACE LTD

1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Product Description	Weight	Qty	U/M	PCS NB		Internal Use Only		
				CMD	EXP	B/O	IN	I S C OUT
1 TUBE MEC 0.750 OD X .058 NS TME-0750058 9987 1 X 20' R/L AC13067-JG-08/02 SURCHARGE ENERGETIQUE FRAIS_ENERGETIQUE	44.40	20.00	PL_\$PI	1.00			24	
			\$	0.00			DAS 11 9-89	
							FEB 13 2018	

Total Weight (LBS) : 44.40

NIR : R-109516-6

Conditions :  
All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Total (\$CAD) 224.81  
Deposit 0.00  
Balance 224.81

Prepared By :	Verified By :	Delivered By :	Time	Customer's Signature	Y	M	D
---------------	---------------	----------------	------	----------------------	---	---	---



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# **PURCHASE ORDER** **PO038862**

**Supplier:** ACI001-VC  
Acier Ouellette Inc.  
935 Boul. Du Havre  
Valleyfield  
QC  
J6S 5L1 Canada  
Phone: 800 667 4248  
Fax: 450 377 5696

**PO No:** PO038862

**PO Date:** 1/25/18

**Due Date:** 2/2/18

**Purchase Order**

**Revision:**

**Revision Date:**

**Ship-To Contact:** Lavoie, Chantal  
Phone: clavoie@dartaero.com

**E-MAILED**  
JAN 26 2018

JAN 26 2018

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground

**Pymt Terms:** Net 30

**Freight Terms:**

**Special Comments:** QUOTATION # SOU0079984,  
SOU0080619, SOU0080267

## Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	MT-4140-B-0.500x3.000		4140 Steel Bar 0.500 X 3.000 : AISI 4140 STEEL BAR PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MINIMUM ROCKWELL C = 28 RC MAXIMUM ROCKWELL C = 32 RC receive ft	Firmed	2/2/18	6 ft	0 ft	6 ft	\$23.50/ft	\$141.00
2	MT-4140-B-0.500X4.000		4140 Steel Bar 0.500 X 4.000 : AISI 4140 STEEL BAR PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MINIMUM ROCKWELL C = 28 RC MAXIMUM ROCKWELL C = 32 RC receive ft	Firmed	2/2/18	6 ft	0 ft	6 ft	\$27.00/ft	\$162.00
3	MT-4140-B-0.750X1.750		4140 Steel Bar 0.750 X 1.750 : AISI 4140 STEEL BAR PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MINIMUM ROCKWELL C = 28 RC MAXIMUM ROCKWELL C = 32 RC receive ft	Firmed	2/2/18	8 ft	0 ft	8 ft	\$23.50/ft	\$188.00
4	MT-1144-H1.000		AISI 1144 Stressproof Steel Hex Bar 1.000"	Firmed	2/2/18	12 ft	0 ft	12 ft	\$25.416666/ft	\$305.00
5	MT-A513-T-0.750W0.058		A513 Seamless Alloy Steel Round Tubing 0.75"dia. x 0.058" Wall	Firmed	2/2/18	20 ft	0 ft	20 ft	\$9.75/ft	\$195.00
									<b>Grand Total:</b>	<b>\$991.00</b>

## Order Notes

9-89

1/25/2018

PURCHASE ORDER

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 1/25/18 12:31 PM dart.lavoie.chantal

**ACIER OUELLETTE INC.**

935, Boul. du H vre  
Salaberry de Valleyfield (Qu bec) J6S 5L1  
T l.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**Quotation****SOU0080267****Billed to**

DART AEROSPACE LTD  
1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE T l.: 613-632-5200

**Customer N ** CLI0001056  
**Date** 2018/01/15  
**Revision N ** 0  
**Prices valid until** 2018/01/22  
**Your Order N **  
**Processed by** Josianne Bourdon  
**Salesman** JOSIANNE  
**Carrier** OUELLE SDV  
**Credit Terms** Net 30 Days  
**Page** 1

Product N� and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
PIPE 3/4 SH. 80 A106 SEAMLESS N 1 X 21' 4-5 DAYS	0.00	1.00	UN	1.00	UN		1.00	62.000	62.00
PIPE 1" SH.40 A106 SEAMLESS N 1 X 21' ** NOT AVAILABLE IN SH.10 DELIVERY 2-3 DAYS	0.00	1.00	UN	1.00	UN		1.00	65.000	65.00
TUBE MECH. A-513 3/4 OD X .058 N 1 X 20' R/L 2 WEEKS	0.00	20.00	UN	20.00	UN		1.00	195.000	195.00
SURCHARGE ENERGETIQUE FRAIS ENERGETIQUE			\$						3.95

**Total Weight (Lbs)**

0.00

**Important**

This offer is based on availability and current pricing conditions that may be revised upon reception of the order.

This offer is subject and conditional to credit approval.

Approved and Accepted by :

Date :

**Sub-total**

325.95

TVH-13 . . 42.37

**Total (\$CAD)****368.32**

**ACIER OUELLETTE INC.**

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**Quotation**

SOU0080619

**Billed to**

DART AEROSPACE LTD  
1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

**Customer N°** CLI0001056  
**Date** 2018/01/16  
**Revision N°** 0  
**Prices valid until** 2018/01/23  
**Your Order N°**  
**Processed by** Josianne Bourdon  
**Salesman** JOSIANNE  
**Carrier** OUELLE SDV  
**Credit Terms** Net 30 Days  
**Page** 1

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
HEXAGONE A108 1144CF 1" N ✓ 1 X 12' R/L 5-7 DAYS	0.00	1.00	UN	1.00	UN		1.00	305.000	305.00
SURCHARGE ENERGETIQUE FRAIS_ENERGETIQUE  MT-1144			\$						3.95

**Total Weight (Lbs)** 0.00**Important**

This offer is based on availability and current pricing conditions that may be revised upon reception of the order.  
This offer is subject and conditional to credit approval.

Approved and Accepted by : \_\_\_\_\_

Date : \_\_\_\_\_ **Total (\$CAD)** 349.11**Sub-total** 308.95

TVH-13 · 40.16

**ACIER OUELLETTE INC.**

935, Boul. du Havre

Salaberry de Valleyfield (Québec) J6S 5L1

Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248

Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**Quotation****SOU0079984****Billed to**

DART AEROSPACE LTD

1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

**Customer N°**

CLI0001056

**Date**

2018/01/11

**Revision N°**

0

**Prices valid until**

2018/01/18

**Your Order N°****Processed by**

Josianne Bourdon

**Salesman**

JOSIANNE

**Carrier**

OUELLE SDV

**Credit Terms**

Net 30 Days

**Page**

1

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
TUBE MEC 1.000 OD X .120 RANDOM TME-1000120-V <b>6505</b> 5 X 20' R/L STOCK ✓	112.80	100.00	PI_\$CPI	100.00	PI		5.00	44.190	220.95
TUBE MEC 0.875 OD X .120 RANDOM TME-0875120-V <b>6787</b> 3 X 20' R/L STOCK ✓	58.08	60.00	PI_\$CPI	60.00	PI		3.00	41.190	123.57
ROUND CR 1 1/4 1018 RANDOM RCR-114-V <b>5260</b> 1 X 20' R/L STOCK ✓	83.40	20.00	PI_\$CLB	20.00	PI		1.00	83.360	83.36
ROUND SS 1 303 RANDOM RSS-1303-V <b>8519</b> 4 X 12' R/L 2-3 DAYS ✓	128.16	48.00	PI_\$CLB	48.00	UN_\$UN		4.00	96.745	386.98
ROUND SS 3/4 304 RANDOM RSS-34-V <b>5762</b> 8 X 12' R/L STOCK ✓	144.19	96.00	PI_\$CLB	96.00	PI		4.00	103.080	412.32
ROUND 4140 HEAT TREAT 3/4 RANDOM R4140-34H-V <b>4949</b> 1 X 20' R/L STOCK ✓	30.04	20.00	PI_\$CLB	20.00	PI		1.00	49.850	49.85
FLAT 4140 HT 1/2 X 3 N 1 X 6' 4-5 DAYS	0.00	1.00	UN	1.00	UN		1.00	141.000	141.00
FLAT 4140 HT 1/2 X 4 N 1 X 6' 4-5 DAYS	0.00	1.00	UN	1.00	UN		1.00	162.000	162.00
FLAT 4140 HT 3/4 X 1 3/4 N 1 X 8' 4-5 DAYS	0.00	1.00	UN	1.00	UN		1.00	188.000	188.00
FLAT ALU 1/4 X 1 6061-T6 RANDOM FAL-141-V <b>2512</b> 1 X 20' STOCK ✓	6.20	20.00	PI_\$CLB	20.00	PI		1.00	15.870	15.87

Date :

Next Page...

MT- 4140-B-0.500 X 3.000

M4140N130.500 X 3.000



## Chantal Lavoie

**From:** Chantal Lavoie  
**Sent:** Thursday, January 11, 2018 3:26 PM  
**To:** 'Josianne Bourdon'  
**Cc:** Diane Baker  
**Subject:** quote

Good afternoon Josianne,  
Please advise price and delivery on mat'l.

6061 T6 B 0.375" X 0.6750" X 12'

~~A513 ROUND TUBING 1" X 0.120" WALL X 100 FT~~

~~A513 ROUND TUBING 0.875" X 0.120" X 60 FT~~

17-Y-H 900 R. 100" X 24' 8"

~~1018 ROUND BAR 1.250" X 12 FT~~

~~304 ROUND BAR 1" X 48 FT~~

~~304 ROUND BAR 0.750" X 96 FT~~

~~4140 QT. ROUND BAR 0.750 X 12 FT~~

~~4140 HT BAR 0.500" X 3" X 6 FT~~

~~4140 HT BAR 0.500" X 4" X 6 FT~~

~~4140 HT BAR 0.750" X 1.750" X 8 FT~~

~~6061-T6 BAR 0.250" X 1" X 12 FT~~

~~6061-T6 BAR 0.250" X 5" X 12 FT~~

~~6061-T6 BAR 0.250" X 6.250" X 24 FT~~

~~6061-T6 BAR 0.375" X 2" X 24 FT~~

~~6061-T6 BAR 0.500" X 1.250" X 12 FT~~

~~6061-T6 BAR 0.500" X 2.5" X 12 FT~~

~~6061-T6 BAR 0.500" X 5" X 36 FT~~

~~6061-T6 BAR 0.500" X 6" X 24 FT~~

~~6061-T6 BAR 0.500" X 1.5" X 12 FT~~

~~6061-T6 BAR 0.500" X 12" X 12 FT~~

~~6061-T6 BAR 6" X 2" X 6 FT~~

~~6061-T6 BAR 1" X 4" X 12 FT~~

~~6061-T6 BAR 1" X 12" X 12 FT~~

~~6061-T6 BAR 1.250" X 1.250" X 12 FT~~

~~6061-T6 BAR 2.5" X 1.5" X 24 FT~~

~~6061-T6 BAR 0.375" X 1" X 48 FT~~

~~6061-T6 BAR 0.750" X 3" X 12 FT~~

6061-T6 BAR 0.750" X 0.125" X 20 FT *area 6063+5*

~~6061-T6 BAR 1.5" X 1.5" X 12 FT~~

~~6061-T6 BAR 2" X 1.250" X 24 FT~~

~~6061-T6 BAR 2" X 2.250" X 12 FT~~

~~6061-T6 BAR 2" X 5" X 12 FT~~

~~6061-T6 BAR 2" X 8" X 4 FT~~

6061-T6 BAR 2.75" X 6" X 6 FT. *3rd only.*

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-A513-T-0.750W0.058

PC BATCH NO: 0388625041762

DATE: FEB 13 2018

MATERIAL CERT REQ'D: Yes  
 QUANTITY RECEIVED: 24"  
 QUANTITY INSPECTED: 24"  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: W0.058  
 THICKNESS RECEIVED: W0.058  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	<u>Astm A513 type 5</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	<u>Heat # NG1167</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK

RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR C	WEE
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

*testers located in the Quality Office*

**QC 18 INSPECTION**

**ENGINEERING SIGNOFF (if req)**

INSPECTED BY: DAS  
11  
 DATE: 9-8 FEB 13 2018

SIGNED OFF BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

8 7 6 5 4 3 2 1

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW RELEASE	17-855	17.09.06	VM	VM
B	TYPE 5 ADDED. TEMPLATE UPDATED	17-790	17.12.13	VM	ML

## SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: ASTM A513 TYPE 5 (1020/1026) SEAMLESS ALLOY STEEL ROUND TUBING (DOM)

SPECIFICATION: ASTM A513 TYPE 5  
PART NUMBER: MT-A513-T-[D.DDD]WT.[T.TT]

WHERE D.DDD IS OUTSIDE DIAMETER IN INCHES  
WHERE T.TT IS WALL THICKNESS IN INCHES  
EG. 3/4" ROUND TUBING WITH .120" WALL THICKNESS = MT-A513-T-0.750W0.120

<b>DART AEROSPACE</b> Hamilton, Ontario, Canada	
TITLE ASTM A513 TYPE 5 (1020/1026) ALLOY STEEL ROUND TUBING (DOM)	
PART NO. MT-A513-T	REV B
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES PER ASME Y14.5-2009	
DESIGNED BY: VM 17/12/13	DATE: 17/12/13
CHECKED BY: ML 12/20/2017	SCALE: 1:1
APPROVED BY: DP 12/20/2017	SCALE: NTS
COPYRIGHT © 2017 BY DART AEROSPACE LTD	
THIS DRAWING IS THE PROPERTY OF DART AEROSPACE LTD. IT IS TO BE USED FOR THE PURPOSES OF THE CONTRACT ONLY. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.	

# CERTIFICATE OF TEST CERTIFICAT D'ESSAIS



E  
(C

I. Jorgensen  
) Inc.

Page 01 of 01

Certification Date  
8-FEB-2018

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT

AC00013067  
PART NUMBER/NUMÉRO DE PIÈCE  
101647

EARLE M JORGENSEN CAN DIV RMCL  
1255, AVE LAPLACE  
VILLE DE LAVAL QC H7C 2N6

Invoice Number  
T375373

SOLD TO: ACIER OUELLETTE INC. SHIP TO: ACIER OUELLETTE INC.  
VENDU À: DIVISION SALABERRY DE VALLEYFIELD EXPÉDIENT DIVISION SALABERRY DE VALLEYFIELD  
935, BOUL. DU HAVRE 935, BOUL. DU HAVRE  
SALABERRY-DE- VALLEYFIELD QC J6S 5L1 SALABERRY-DE- VALLEYFIE QC J6S

Description: 1020 DOM SRA A513/5  
.750 OD X .634 ID (.058 W) X 20/24 R/L Line Total: 24 FT  
HEAT: NG1167 ITEM: 101647

Specifications:  
ASTM A513 TP 5 (2011) A513M ASTM E309 11

## CHEMICAL ANALYSIS

C	MN	P	S	SI	CU	NI	CR
0.18	0.37	0.0090	0.004	0.015	0.08	0.03	0.04
MO	V	TI	AL	SN			
0.01	0.002	0.001	0.023	0.007			

RCPT: R295330

COUNTRY OF ORIGIN : USA

## MECHANICAL PROPERTIES

DESCRIPTION	YLD STR	ULT TEN	%ELONG	%RED	HARDNESS
	PSI	PSI	IN 02 IN	IN AREA	RB
	82500.0	91800.0	18.0		92

EDDY CURRENT/MAGNETIC TEST PERFORMED

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport n'a rencontré les spécifications décrites ci-haut.

*Joanne Després*

MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ